Docket No.: SIW-074

Application No.: 10/723942

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A control device for a fuel cell vehicle comprising:

a propulsion motor capable of driving a vehicle;

a fuel cell, composed of a plurality of fuel cell units formed by sandwiching an electrolyte membrane between a fuel electrode and an oxygen electrode, which generates electric power by supplying a reactant gase to give an electrochemical reaction;

a capacitor which is charged by a generated output of said fuel cell and regenerated electric power of said propulsion motor;

a reactant gas supply device which supplies said reactant gases to said fuel cell; ~~and the control device comprising:~~

an output control device which controls an output current of said fuel cell;, ~~and~~

a regenerative electric power calculating device which calculates the regenerative electric power which can be generated by regenerative operation of said propulsion motor; and

a chargeable power calculating device which calculates the chargeable power which can be charged to said capacitor,

wherein when said chargeable power is less than said regenerative electric power, said output control device restricts the value of the output current from said fuel cell to zero, and

when said chargeable power is greater than said regenerative electric power, said output control device cancels the restriction on the output current of said fuel cell.

2. (Currently Amended) A control apparatus of a fuel cell vehicle comprising:

a propulsion motor capable of driving a vehicle;

a fuel cell which generates electric power by supplying a reactant gas to give an electrochemical reaction;

a capacitor which stores generated energy of said fuel cell and performs transfer of electrical energy with said propulsion motor;

a reactant gas supply device which supplies said reactant gas to said fuel cell; ~~and~~

an output control device which controls an output current of said fuel cell;, ~~and~~

~~the control apparatus comprising:~~

a regenerative electric power calculating device which calculates the regenerative electric power which can be generated by regenerative operation of said propulsion motor;

a chargeable power calculating device which calculates the chargeable power which can be charged to said capacitor; and

a pressure detection device which detects the pressure of said reactant gas supplied to the fuel electrode of said fuel cell,

wherein, in the case where said chargeable power is less than said regenerative electric power and the pressure of said reactant gas at the fuel electrode of said fuel cell is less than a predetermined pressure, said reactant gas supply device stops supply of said reactant gas to the oxygen electrode of said fuel cell, and said output control device restricts the value of the output current of said fuel cell to substantially zero, and

in the case where said chargeable power is greater than said regenerative electric power, ~~and said chargeable power is less than said regenerative electric power~~ and the pressure of said reactant gas at the fuel electrode of said fuel cell is greater than a predetermined pressure, said output control device cancels the restriction on the output current of said fuel cell.

3. (New) A control apparatus of a fuel cell vehicle according to claim 2, wherein said output control device cancels the restriction on the output current of said fuel cell when said chargeable power is less than said regenerative electric power and the pressure of said reactant gas at the fuel electrode of said fuel cell is greater than a predetermined pressure.